MEETINGS ARE OPEN TO ALL GROWERS

THE MARYLAND FRUIT GROWER

Official Program

Forty-First Annual Meeting

of

The Maryland State Horticultural Society

JANUARY 4 and 5, 1939

The ARMORY

FREDERICK, MARYLAND

Vol. 8 DECEMBER, 1938 No. 12

SCALECIDE IS GUARANTEED TO MAKE A BETTER ORCHARD than LIME SULFUR OR OIL EMULSION

For over twenty years Scalecide has been sold under a money back guarantee to make a better orchard than lime sulfur without a single man to request his money back. Now that the results (and deficiencies) of oil emulsion have become known, oil emulsions are included in Scalecide's guarantee.

Results in your own orchard, which you can see with your own eyes, mean much more to you than anything we can say about Scalecide. With the protection of our guarantee you can use Scalecide with the full assurance that you get better results with this complete dormant spray or it costs you nothing. Can you buy a cheaper spray than this?

READ OUR *Guarantee*

WE GUARANTEE that, if you will divide an orchard, your worst or best, in two parts equal in general condition, and for three years spray one part with Scalecide according to our directions and the other part with lime-sulfur or oil emulsion (other than our own), giving the same summer treatment to both parts, the part sprayed with Scalecide will be better than the part sprayed with lime sulfur or oil emulsion—in the judgment of three disinterested fruit growers—or we will refund the money you have paid for the Scalecide.

Scalecide costs more. It is worth it. It costs more to put the expensive vegetable oils in Scalecide, which are high in growth producing hormones, but it is worth many times its cost to your trees.

Scalecide not only controls insect pests such as scale, red mite, aphis, etc., but aids in cleaning up many forms of cankers, because it is the only oil spray having distinct fungicidal properties. Furthermore the year after year use of Scalecide shows a marked invigorating effect on the trees. No other spray does all this.

Take advantage of this money back guarantee. Any material without this guarantee and without the advantages of Scalecide is costing you more than Scalecide.

B. G. Pratt Company

Dept. "F"

50 Church Street New York, N. Y.

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STAUFFER SULPHURS

ASSURE SAFE, SURE CONTROL AT THE LOWEST COST. THAT'S WHY MORE STAUFFER SULPHUR IS USED THAN ANY OTHER.

Stauffer manufactures more than 20 brands of Agricultural Sulphurs—a definite grade for every type of equipment and for every known insect and fungous growth controlled with Sulphur. The following are some of Stauffer's well-known products:

FOR DUSTING:

"ELECTRIC" *Super-Adhesive Dusting Sulphur*
"SWAN" *Superfine Ventilated Dusting Sulphur*
"PERFECTION" *Superfine Dusting Sulphur*
"OWL" *Superfine Dusting Sulphur*
"MAGNETIC" *Humidust*

FOR SPRAYING:

"MAGNETIC-SPRAY" *Wettable Sulphur*
"CROWN" *Wettable Sulphur*
"MAGNETIC" *Catalytic Sulphur*

Your local Stauffer dealer also carries our complete line of double-duty vegetable dusts. Powerful insecticides combined with Sulphur as the carrying agent, to control insects and plant diseases with one application. And—insecticides containing no Sulphur. The following will help you grow top price crops:

"MAGNETIC" *Rotenone-Sulphur Dusts and Spray*
"MAGNETIC" *Rotenone Dust (inert carrier)*
"MAGNETIC" *Pyrethrum-Sulphur Dusts*
"MAGNETIC" *Cryolite-Sulphur Dust and Spray*
"MAGNETIC" *Cryolite Dust (inert carrier)*

WE ARE ALSO DISTRIBUTORS FOR "ALORCO" CRYOLITE.

For further details and literature, see your dealer or write

STAUFFER CHEMICAL COMPANY
420 LEXINGTON AVE., NEW YORK CITY
230 N. MICHIGAN AVE., CHICAGO
FREEPORT, TEXAS

. . . Program . . .

■ ■ ■

Forty-first Annual Meeting

THE MARYLAND STATE HORTICULTURAL SOCIETY

THE ARMORY

FREDERICK, MARYLAND

WEDNESDAY AND THURSDAY, JANUARY 4-5, 1939

Meeting Beginning Wednesday, January 4 at 10:00 A. M.

■

GENERAL INFORMATION

All meetings will be held in the Armory

The Dinner on Wednesday evening will be held at the Francis Scott Key Hotel.

Exhibits of orchard machinery, sprayers, fertilizers, spray material, nursery stock, packing materials, etc., will be located in the Armory.

Exhibits by the Experiment Station and Extension Service of the University of Maryland will be located in the Armory.

Hotels—The Francis Scott Key (official headquarters) $2.00 and up.

The Frederick, $1.50 and up.

Plenty of parking space is available in the vicinity of the Armory.

Arrange to get Dinner tickets as soon as possible after arrival. The Dinner is planned for the ladies also, and they are cordially invited to attend.

Time of the various discussions is not exact, and may be subject to change, if necessary. Be on time to avoid missing any of the program features.

WEDNESDAY MORNING PROGRAM ON PAGE 4

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WEDNESDAY MORNING PROGRAM ON PAGE 4

History Repeats Itself!

Marvil, in appreciation of the business it has received from you and in maintaining its standards of quality, service and advancement in the package industry, will repeat itself in 1939.

We look forward to better serving your needs.

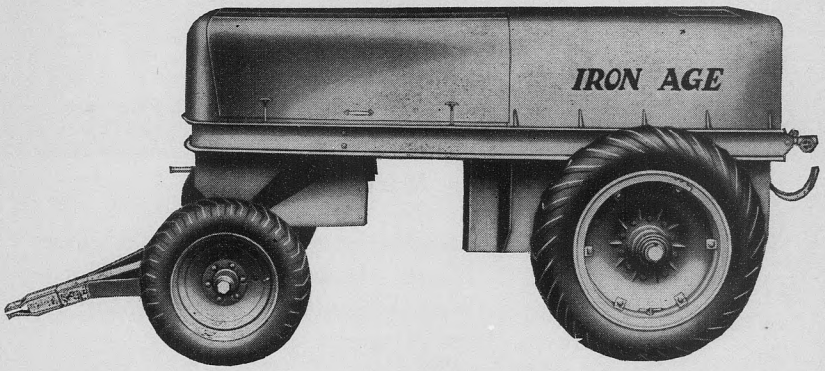
"Marvil Products Protect Contents"

MARVIL PACKAGE CO.

LAUREL, DELAWARE

You'll WANT To Buy This Sprayer!

FARQUHAR-IRON AGE ORCHARD SPRAYERS



One of the many models—the four wheel short turn.

Designed for 1000 Pounds guaranteed operating pressure. Adjustable for any lower pressures. Surplus powered.

Coverage at lower gallonage per tree.

Speedy - delivers liquid in perfect atomized condition.

Durable - far fewer service stops—self cleaning valves, long cylindrical strainer in pump intake chamber quickly accessible.

Accessible - all parts including valves, displacement tube, plunger, cup, etc., surprisingly accessible.

Capacities - 14, 20 and 37 gallons per minute at any pressures up to 1000 lbs. per sq. inch.

Either Porcelain Lined N. M. Stainless Steel Tubes or Cylinders.

Users Say: "You've Really Got Something"

SEND FOR YOUR CATALOG.

A. B. FARQUHAR CO., Limited

BOX 385 YORK, PENNSYLVANIA

PROGRAM—*Continued*

WEDNESDAY MORNING, JANUARY 4

•

10:00 a. m. Call to Order

Invocation—Rev. W. Merval Weaver, Minister, First Presbyterian Church, Frederick, Maryland.

Report of the Secretary-Treasurer—A. F. Vierheller, College Park, Maryland.

President's Address—G. William Gardenhour, Smithsburg, Maryland.

10:30 a. m. Adjusting Fruit Varieties and Numbers of Trees —R. S. Marsh, Head, Department of Horticulture, West Virginia University, Morgantown, West Virginia.

11:30 a. m. Changes in Orchard Practices in the Mid-West During the Past Decade—C. L. Burkholder, Assistant Chief in Horticulture, Purdue Agricultural Experiment Station, Lafayette, Indiana.

Appointment of Committees

INSPECTION OF EXHIBITS

•

WEDNESDAY AFTERNOON PROGRAM ON PAGE 8

Remember the Dinner at 6:30 this evening

• • •

NOTES

FERTILIZE YOUR FRUIT TREES NOW WITH NON-LEACHING GRANULAR

'Aero' Cyanamid

A year ago fertilization was neglected because of money shortage.

Last fall many orchards showed premature yellowing of foliage because of Nitrogen shortage.

This year a heavy fruit crop is due—but the trees are in no condition to carry a heavy crop.

Granular AERO Cyanamid will put them in condition!

Apply it now. It will be down deep for the roots to feed on when spring growth starts.

Write for Leaflet F-142

Get the Job Out of the Way of Spring Work

AMERICAN CYANAMID COMPANY

448 Leicester St.
Winchester, Va.

30 Rockefeller Plaza
New York, N. Y.

'AERO' CYANAMID is NITROGEN plus LIME

Maybe you missed one. Read the Advertisements again.

TO THE

APPLE GROWERS OF MARYLAND

AND THE MEMBERS OF

THE MARYLAND
STATE HORTICULTURAL SOCIETY

GREETINGS

With the quality of the apples better than last year, a comparatively short market and national advertising of the benefits to be derived from the eating of apples, we are happy to join up in the feeling that this year has good possibilities, provided the fruit is kept moving into consumption, and growers and packers of apples cooperate.

FRED C. STRYPE

103 Lafayette Street New York, N. Y.

WARNER HYDRATED LIMES

For *Dusting* and *Spraying*

•

"LIMOID" SUPERFINE HYDRATE
a pure dolomitic lime for spraying use.★

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"BELL-MINE" HYDRATED LIME
a pure high-calcium product for Bordeaux Mixtures.

•

"BELL-MINE" PULVERIZED LIME
for use in formulas where "Quick-lime" is specified.

•

★ Several State College authorities now recommend dolomitic (high magnesium) lime sprays — Warner's "Limoid Superfine Hydrate" has been developed to supply this demand . . .

Warner Company

WILMINGTON, DELAWARE
200 S. MARKET STREET
PHILADELPHIA, PA.
219 N. BROAD STREET

PROGRAM—*Continued*

WEDNESDAY AFTERNOON, JANUARY 4

•

1:30 p. m. Use of Baits in Control of Oriental Fruit Moth. Are Baits Effective and Practical?—M. L. Bobb, Assistant Entomologist, Field Laboratory, Charlottesville, Virginia.

2:30 p. m. The Various Causes of Premature Dropping of Fruits—L. R. Detjen, Associate Horticulturist, University of Delaware Experiment Station, Newark, Delaware.

3:30 p. m. Fighting the Japanese Beetle in Maryland in 1938—G. S. Langford, Associate Entomologist, University of Maryland, College Park, Maryland.

4:30 p. m. A Progress Report on Apple Advertising in the Appalachian Area—C. R. Miller, Secretary-Manager, Appalachian Apples, Inc., Martinsburg, West Virginia.

INSPECTION OF EXHIBITS

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WEDNESDAY EVENING PROGRAM ON PAGE 14

Get your Dinner tickets

• • •

NOTES

The Society holds an annual winter meeting and a summer field meeting. It issues The Maryland Fruit Grower or a news-letter monthly, and also publishes annual proceedings of the winter meetings There are no paid officers. Every Maryland orchardist should become a member of the Society. Membership is one dollar a year. Why not join now?

Uncle Natchel Says . . .

DAT'S RIGHT, SUH
NATCHEL SODA
NATCHEL.. YAS SUH!

CHILEAN NITRATE is the only natural nitrate. It is guaranteed 16% nitrogen. And it also contains, in natural blend, small quantities of other plant food elements.

Many of these elements such as iodine, boron, calcium, zinc, copper, iron, manganese and magnesium, in addition to nitrogen, phosphorus and potassium, are necessary to plant life for normal good health, growth, quality and yield.

Therefore, Natural Chilean Nitrate is agriculturally valuable both as a source of nitrate nitrogen, and to furnish, or build up a reserve of other plant food elements naturally blended with it.

Use Natural Chilean Nitrate—take advantage of its quick-acting nitrogen and its many protective elements. It is well-suited to your crops, your soil and your climate.

NATURAL
CHILEAN
NITRATE OF SODA

Eat an Apple Every Day

Use

Ferrox Flotation When You Spray

Economical

Effective

Non-Injurious

CAMDEN COKE PLANT

of

Public Service Electric and Gas Co.

Front and Chestnut Street

Camden, N. J.

Fruit Growers !

IMPORTANT ANNOUNCEMENT

NITROCIDE—The most reasonably priced dormant oil emulsion for aphis, scale, etc. It is non-irritating—ready to use—low oil dosage per tree required—very economical.

FLO SUL—The reasonably priced WETTABLE SULPHUR containing microscopic sulphur.

OILTEX—The perfect summer spreader for your sprays.

A SPRAY OR DUST FOR EVERY PURPOSE

FAMOUS FRUIT FOOD 10-6-4—The complete fertilizer for your fruit crops—contains 14 essential elements with 5 sources of nitrogen.

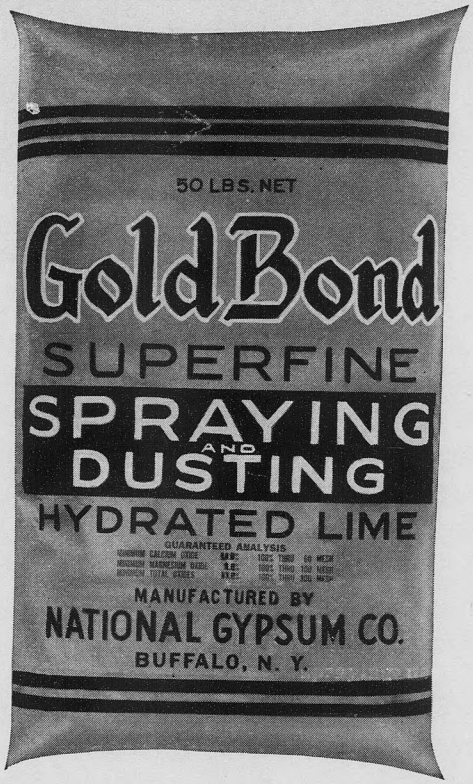
A SPECIAL FERTILIZER FOR EVERY CROP

4 INSECTICIDE AND 8 FERTILIZER PLANTS LOCATED CONVENIENTLY TO GIVE YOU PROMPT AND EFFICIENT SERVICE

CENTRAL CHEMICAL CORPORATION

General Offices

HAGERSTOWN, MARYLAND



HERE'S THE *Superfine* LIME THAT GIVES YOU SUPER VALUE

Gold Bond Spraying and Dusting Hydrate is superfine ground and air floated—that's why it's a super value. Easier to mix in spray solution and stays in suspension. Has no coarse gritty particles to clog the nozzle or cause abrasive wear. And it's the fluffiest dusting lime you've ever seen. Contains less than 1% magnesium oxide. Sold by your local Gold Bond Dealer.

NATIONAL GYPSUM COMPANY

BUFFALO, N. Y.

Manufacturers of all types of lime products.

Orando, Va. Plant Phone 77 . . . . . York, Pa. Plant, Phone 5447

Buy Now—Have it when you Need it.

Fruit Trees Need Potash

More Potash means More Profit

FRUIT trees remove large amounts of nitrogen, phosphorus, and potash from orchard soils. Leaching and erosion may remove even larger amounts. To prevent these losses and to maintain healthy tree development and satisfactory yields of fruit, the Maryland Experiment Station recommends the liberal fertilization of cover crops and sods.

For a non-legume cover crop, they recommend a 3-12-6 or similar fertilizer analysis. For legumes, an 0-14-6 is recommended.

Consult the Experiment Station or your County Agent about the fertility of your soil and the plant-food needs of your orchard. See your fertilizer dealer or manufacturer. You will be surprised how little extra it costs to add enough potash to your orchard fertilizers to insure maximum yields and quality of fruit.

Write us for information and literature on the profitable fertilization of Maryland crops.

AMERICAN POTASH INSTITUTE, INC.

INVESTMENT BUILDING WASHINGTON, D. C.

Sales Representatives

JOHN S. HORTON
Laurel, Del.

L. P. SHEPPARD
York, Pa.

LEE F. PRATT
Chambersburg, Pa.

Remember our Advertisers and Exhibitors.

PROGRAM—*Continued*

WEDNESDAY EVENING, JANUARY 4

•

DINNER

Ball Room—Francis Scott Key Hotel

ENTERTAINMENT MUSIC

Forty-Five Magic Minutes—William Wagner, Carlisle, Pennsylvania.

•

THURSDAY MORNING PROGRAM ON PAGE 22

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NOTES

CAN WE ASSIST YOU?

This organization lends money to sound fruit growers to finance the production of their crops—to pay cash for their purchases and save the discount. The interest rate is 5%, for the time the money is actually used. We serve growers in Virginia, West Virginia, Maryland, Pennsylvania and Delaware. Perhaps we can assist you.

East Central
Fruit Growers Production Credit Association
Hagerstown, Md.

The Progressive Orchardist Plans and Plants for the Future

PEACHES LEAD IN FARM INCOME FOR 1938

Fruit growing remains one of the most dependable branches of agriculture.

Are Maryland Growers Planting to Maintain their Production in the Future?

We Announce the Greatest Price Reduction on Fruit Trees Ever Made in the History of our Company

Plan to Plant This Year

PLANT THE RECOGNIZED LEADERS IN NEW FRUITS

MODERNIZE YOUR PRODUCING ORCHARDS AS YOU DO YOUR GROWING EQUIPMENT. PLANT

"Colora" Red York Imperial	**Golden Jubilee**
Blaxtayman	**Vedette**
Richared Delicious	**Hale Haven**
Gallia Beauty Red Rome	**Gage Elberta**
Improved All Red Jonathan	**Fisher Peach**
Cortland	**Erly-Red-Fre**

And Other Improved Varieties We List.

We offer you the greatest values in FRUIT TREES and BERRY PLANTS your money can buy.

Don't buy trees from anyone until you communicate with us.

Visit our exhibit at Frederick during the Horticultural Meeting. Let us show you our stock and quote you on your planting needs.

It pays to plant the best. **It pays to buy from**

Bountiful Ridge Nurseries

PRINCESS ANNE, MARYLAND

Recognized Leaders Today in Fruit Tree Production.

Send for Latest Catalogue Giving Our New Low Prices.

USE THIS PAGE FOR NOTES

RICE, TREW & RICE COMPANY

MANUFACTURERS

of

PAPER Supplies

for

FRUITS AND VEGETABLES

Always At Your Service

Main Office: Biglerville, Pennsylvania

POMO FOOD
10-6-4

A complete fertilizer for fruit

Quickly Soluble Granules

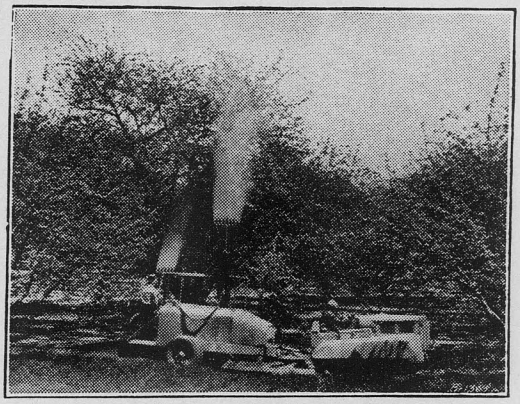
NO DUST NO LUMPS NO WASTE

Insist on DAVCO

The Davison Chemical Corporation
Baltimore, Maryland

Never Ending Leadership . . .
OF BEAN HIGH PRESSURE PUMPS

Is Placed Upon Us by LEADING Growers Everywhere, As Successful Growers Depend Upon BEAN to Protect Their Crops.



See Our Dealer About This 100% Protection at the Least Spraying Cost.

WE NEVER SHIRK OUR RESPONSIBILITY TO YOU. PROFIT BY IT.

JOHN BEAN MFG. CO., Lansing, Mich.

• • •

Are you a

MEMBER

of the

SOCIETY?

• • •

Fruit Growers!

Visit Your

Horticultural Society Meeting

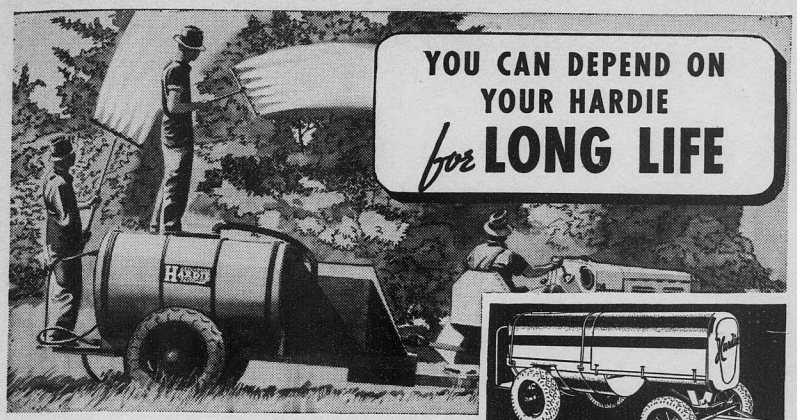
There Is

An Important Announcement

Awaiting You At The

GENERAL CHEMICAL CO.

BOOTH

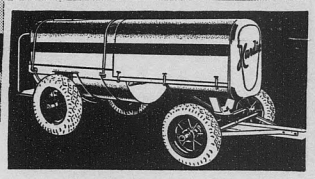


YOU CAN DEPEND ON YOUR HARDIE *for* LONG LIFE

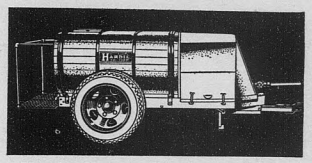
DURABILITY in a sprayer depends directly upon the design and construction of the pump and how it is lubricated. The vertical-type, crankshaft-driven Hardie pump has demonstrated an absolutely unmatched length of life in every fruit-growing section. Hardies that have pumped over ten million gallons are still in use.

Hardie complete, selective, clean oil lubrication protects and lengthens the life of the pump. No other sprayer provides this complete lubrication which includes every moving part—even the plungers and the plunger cups run in a bath of oil.

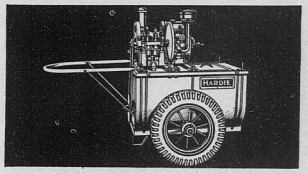
Leading dealers offer complete sales and service facilities. Ask your dealer or write for the 1939 Hardie Catalog . . . packed full of information every grower needs.



Streamlined horse-drawn outfits in many models from 6 to 50 gallons per minute.



Hardie Tractor Trailers embody many advanced, exclusive and valuable features.



Many models are available in the new Hardie No. 99 line of smaller, low-priced outfits.

THE HARDIE MANUFACTURING COMPANY, HUDSON, MICH.

Branch Factories, Sales and Service Offices:

PORTLAND, ORE. LOS ANGELES, CALIF. BROCKPORT, N. Y.

Export Department

DETROIT, MICHIGAN.

HARDIE

Dependable SPRAYERS

Remember our Advertisers and Exhibitors.

PROGRAM—*Continued*

THURSDAY MORNING, JANUARY 5

•

9:30 a. m. What the Inspector Sees in Fruit Containers—Discussion led by W. C. Beaven, Supervising Inspector, Maryland State Department of Markets, College Park, Maryland.

10:30 a. m. Illustrations and Studies of Apple Roots Following the Recent Storms in New England—F. B. Lincoln, Associate Horticulturist, University of Maryland Experiment Station, College Park, Maryland.

11:30 a. m. Some Considerations in the Use of Rubber-Tired Machinery on the Orchard and Farm—R. B. Gray, Head, Division of Mechanical Equipment. Bureau of Agricultural Engineering, U. S. Department of Agriculture, Washington, D. C.

INSPECTION OF EXHIBITS

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THURSDAY AFTERNOON PROGRAM ON PAGE 26

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NOTES

Now you can Spray

ORTHO*

...all the way!

SCIENTIFIC PEST CONTROL

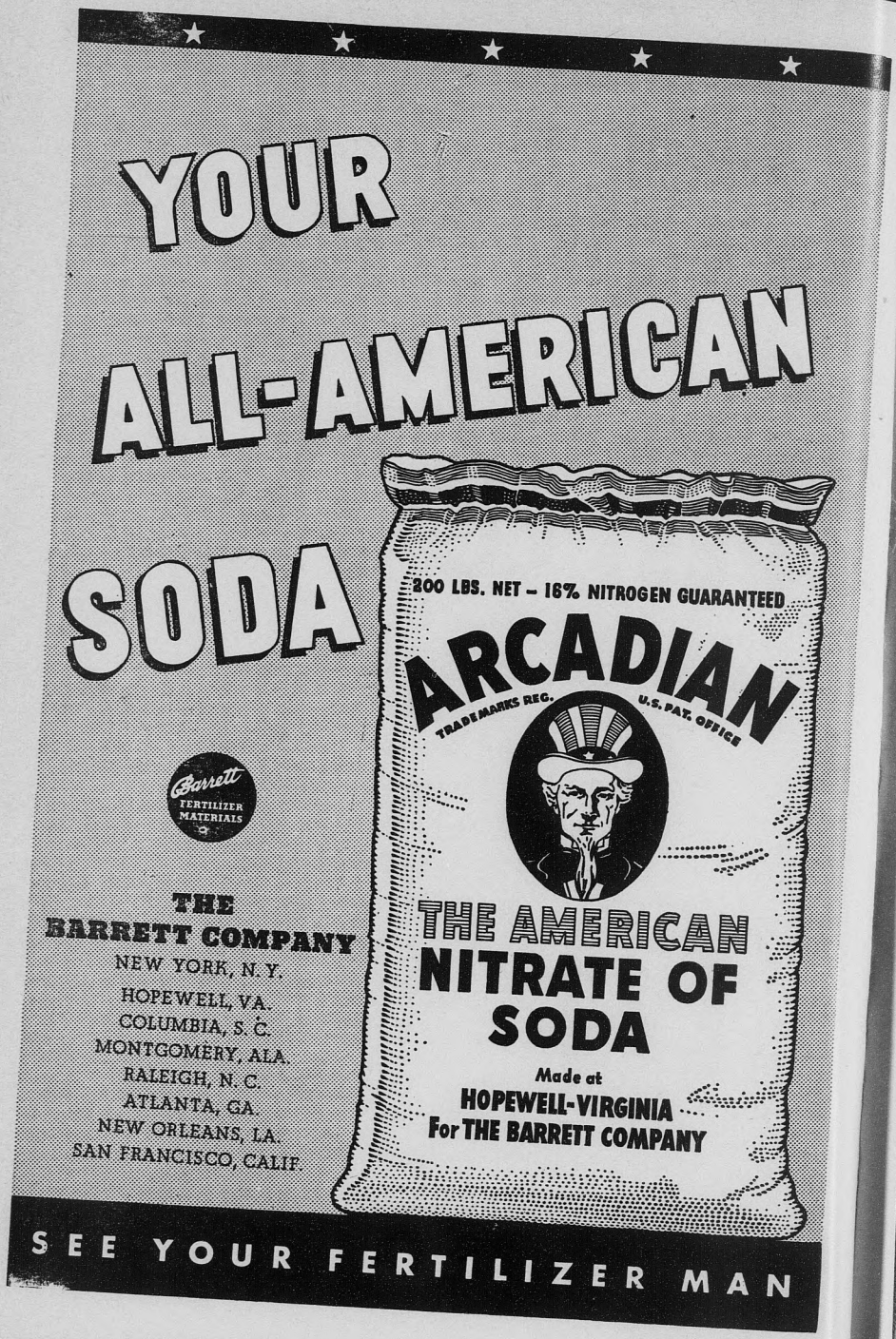
with

KLEENUP Dormant Oil Sprays
KLEENTAR Dormant Spray
ORTHO TAR Oil Sprays
ORTHOL-K Summer Oil Sprays
FLOTOX Paste Flotation Sulphur
ORTHO Lead Arsenate
ORTHO Calcium Arsenate
ORTHEX Spreader-Adhesive
FLOTOX Wettable Sulphur
ORTHO Spreader
COPOSIL Fungicide
BOTANO-N Spray

*REG. U. S. PAT. OFF.

Personal Orchard Service on Request

CALIFORNIA SPRAY-CHEMICAL CORP.
Elizabeth, New Jersey


YOUR
ALL-AMERICAN
SODA
200 LBS. NET – 16% NITROGEN GUARANTEED
ARCADIAN
TRADEMARKS REG. U.S. PAT. OFFICE
THE AMERICAN
NITRATE OF
SODA
Made at
HOPEWELL-VIRGINIA
For THE BARRETT COMPANY
Barrett
FERTILIZER
MATERIALS
THE
BARRETT COMPANY
NEW YORK, N. Y.
HOPEWELL, VA.
COLUMBIA, S. C.
MONTGOMERY, ALA.
RALEIGH, N. C.
ATLANTA, GA.
NEW ORLEANS, LA.
SAN FRANCISCO, CALIF.
SEE YOUR FERTILIZER MAN

STOP SCAB!

"MICRONIZED" WETTABLE SULFUR has been used now by the fruit grower for three successive seasons for scab control on apples and brown rot control on peaches.—1938 sales tripled 1937 sales. **Why?** Because the material has controlled scab equally well in comparison with flotation paste sulfurs and lime-sulfur solution without the caustic qualities of the latter. **Every experiment station** in the Northeast and Central States which has used it, reports these facts. Its cost **per tank** compares favorably with these materials.

Also use "MICRONIZED" SULFUR DUSTS for emergency apple scab control and peach dusting.

"MICRONIZED" is a registered brand name and only one company makes this brand. It is the:

MICRONIZER PROCESSING CO., Inc.
MOORESTOWN, N. J.

HARRISON'S NURSERIES
BERLIN, MARYLAND

FOR

Top Quality, True-To-Name
Fruit Trees, Ornamentals, Small Fruits, Shade Trees,
and Other Nursery Items of Exceptional Value.

Over a Half Century in Supplying High Quality Nursery Stock

▼ ▼ ▼

SEE OUR EXHIBIT

PROGRAM—*Continued*

THURSDAY AFTERNOON, JANUARY 5

•

1:30 p. m. Adding Up Our Experiences in the Orchard Business—W. J. Welday, Fruit Grower, Smithfield, Ohio.

2:30 p. m. Committee Reports.

2:45 p. m. Results in Codling Moth Control and Effects of Control Sprays on Fruit and Foliage—L. A. Stearns, Entomologist, University of Delaware Experiment Station, Newark, Delaware.

3:30 p. m. A Summary of Spray Injury Investigations in Maryland.

What do we Know About Ethylene Dichloride as a Peach Borer Control?—H. S. McConnell, Associate Entomologist, University of Maryland, College Park, Maryland.

4:00 p. m. The 1938 Orchard Survey in Codling Moth Control.

Changes in the 1939 Spray Program in Maryland—C. Graham, Associate Entomologist, University of Maryland, College Park, Maryland.

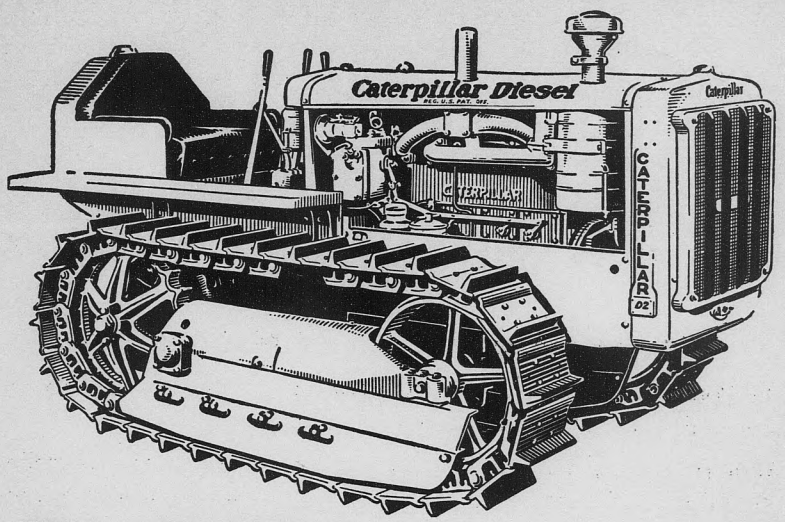
ADJOURNMENT

• • •

NOTES

ANNUAL MEETING
Maryland Farm Bureau Federation, Maryland Agricultural Society, and Affiliated Farm Organizations
LORD BALTIMORE HOTEL, BALTIMORE, MARYLAND
January 11, 12, 1939

APPLE SHOW
LORD BALTIMORE HOTEL, BALTIMORE, MARYLAND
January 11, 12, 1939



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A FRANK TALK ON OIL SPRAYS

by

B. G. Pratt

Prof. M. A. Blake, in the N. J. Hort. Soc. News for May, 1938 says,—"The writer has observed much more dormant season spray injury to apples in recent years than was the case from about 1910 to 1925."

It is not considered nice to say, "I told you so", but, as the oldest advocate and manufacturer of oil sprays, I have predicted this for years, and possibly I have given more thought and study to the subject of oil injury than any other man in the United States.

The safe and effective use of Scalecide for over 20 years had created about 1925 a great wave of popularity for all oil sprays. The demand for lower priced sprays brought out many unstable and quick-breaking oils, and even home-made emulsions and tank mix, which, but for the modern spraying equipment, would have done even more damage.

Stabilized means that the oil and water mix and stay mixed until it dries on the trees. Quick-breaking and unstable oils separate on or before striking the trees, the oil sticking and the water running off, so that over-spraying may apply too much oil. Washington Exp. Sta. Bul. No. 247 reports severe injury from quick-breaking oils coating the lower portion of the trees too heavily when the top is thoroughly sprayed.

We have manufactured stabilized oil sprays for 34 years without a single instance of injury where simplest directions are followed. Be sure your emulsions are stabilized. Better yet, be sure they are Pratts.

SPRA-CREAM. A scientifically made stabilized 83% oil emulsion, which fills every requirement of a dormant oil emulsion at competitive prices.

SCALECIDE. A stabilized miscible oil for the hardest dormant spray jobs. It costs a little more, but revives rundown trees and produces increased crops worth many times its cost.

SUMMER SPRA-CREAM. A safe stabilized summer oil emulsion.

TAR-O-WASH and STRAITAR are stabilized tar oil sprays.

Write B. G. Pratt Company, Dept. "F", 50 Church St., New York, for further information or ask our representative at the show.

B G Pratt